

ABSTRACT OF THE DISCLOSURE

Fuel passes through a fuel filter from the outer layer of the fuel filter toward the inner layer of the fuel filter. Large debris is arrested in the outer layer made of nonwoven fabric, and small debris is arrested in the inner layer made of filter paper, so that plugging is prevented. The fuel filter is inserted between a fuel pump and a sub-tank. The fuel pump is supported by the fuel filter via both a suction pipe and a fixing section. Vibration generated in the fuel pump is absorbed by the fuel filter which has sufficient thickness, so that the vibration is not transferred to the sub-tank. Thus, filtering performance and lifespan of the fuel filter are easily secured while decreasing vibration transfer.